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(54) CALCIUM PHOSPHATE CEMENT

(57)Abstract:

PURPOSE: To enhance strength and acid resistance, to reduce the irregularity of strength and to shorten a curing time by using a powder based on calcium phosphate cement composed of a specific composition rich in biocompatibility and a liquid containing specific fluoride as base materials.

CONSTITUTION: Water containing fluoride selected from the group consisting of NaF, KF, NH₄ and a mixture of them is mixed with a cement powder prepared by mixing α -type calcium tertiary phosphate and calcium secondary phosphate so that a Ca/P mol ratio becomes 1.40-1.498 and the resulting mixture is cured. By this method, acid resistance is enhanced and a curing time can be shortened.

LEGAL STATUS

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